Project Name/Location:					Contract N	Contract Number: W9127N-05-C-0012			
Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel									
Date: 07/02	/2005			Dylan (COE) present during sampling.					
Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)		
Load Number	DR-1	19.3	7:05:10	7337470.09	938601.42	4.2			
Load 432	DR-2	19.1	7:10:55	7338375.65	937911.76	4.3	9.4		
Tidal Stage	DR-4	17.8	7:13:13	7337695.03	937880.03	4.0			
Flood	DR-3	20.3	7:16:06	7338647.64	937941.51	8.0			
Dredge State:									
No Overflow									
Weather:									
Overcast									
<u>Wind:</u>									
5-10 kts									
Seas:									
1' - 2'									
Disposal location									
Columbia River DWS				T					
Remarks:				Action Taken:					
All points within complia		 							
Batteries in YSI controller died between DR-1 and DR-2.				Retrieved backup controller and continued testing procedures.					
Dredge was digging with			e samples						
were taken in front of dr	eage outside plui	me.							
Commis Daint Kee	All Tanta Orași	4	/CI CC00				500 "		
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance		
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					65	OD 14/4		
DR-2	100' Down Current					OR	OR, WA		
DR-3	300' Radially from point of dredge (Port or Starboard)					WA	Not Required		
DR-4	900' Down Current from point of dredging					WA	Not Required		
Rx Indicates a Re-Test where (x) is the Re-Test number for that particular point									
Rx	Indicates a Re-1	est where (x							

Project Name/Location: Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel					Contract Number: W9127N-05-C-0012				
Date: 07/02		to 11+10, Flavel		Dylan (COE) present during sampling.					
Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)		
Load Number	DR-1	19.6	11:18:44	7339888.02	937927.44	2.5			
Load 433	DR-2	20.2	11:20:13	7340469.69	937994.17	30.0	9.0		
Tidal Stage	DR-2R1	19.7	11:20:19	7340486.56	937993.46	28.9	9.0		
Flood	DR-4	19.2	11:22:54	7340722.50	937977.44	10.3			
Dredge State:	DR-4R1	19.2	11:23:00	7340734.90	937970.83	10.7			
	DR-3	19.6	11:25:56	7339562.01	938312.30	6.8			
No Overflow									
Weather:									
Overcast									
Wind:									
5-10 kts									
Seas:									
1' - 2'									
Disposal location									
Columbia River DWS									
Remarks:				Action Taken:					
DR-2 out of compliance				Re-test DR-2R1 was	taken				
DR-4 out of compliance				Re-test DR-4R1 was					
				Dredge moved away from area where the non-compliance occurred					
				while continuing dredging.					
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance		
DR-1	Background - 100' Up Current, Within 600-Foot of Channel								
DR-2	100' Down Current					OR	OR, WA		
DR-3	300' Radially from point of dredge (Port or Starboard)					WA	Not Required		
DR-4	900' Down Current from point of dredging					WA	Not Required		
Rx	Indicates a Re-	Test where (x) is the Re-T	est number for that par	rticular point				

Project Name/Location: Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel				Contract Number: W9127N-05-C-0012					
Date: 07/02/2005 John Cannon (COE) presen							ting.		
Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)		
Load Number	DR-1	19.1	15:34:21	7336839.89	938086.62	2.5			
Load 434	DR-2	16.9	15:37:45	7336539.65	938579.95	20.6	9.1		
Tidal Stage	DR-2R1	16.6	15:37:50	7336543.87	938579.77	23.8	9.3		
Ebb	DR-4	20.1	15:41:35	7336365.86	938666.40	18.5			
Dredge State:	DR-4R1	20.0	15:41:40	7336351.92	938636.57	13.5			
Overflow through	DR-3	17.7	15:44:55	7337507.49	937687.27	2.7			
skimmers only									
Weather:									
Overcast									
Wind:									
5-10 kts									
Seas:									
1' - 2'									
Disposal location									
Columbia River DWS				_					
Remarks:				Action Taken:					
DR-2 out of compliance				Retest DR-2R1					
DR-4 out of compliance				Retest DR-4R1 was taken					
DR-2 and DR-4 were ta	DR-2 and DR-4 were taken in plume.				Dredge moved away from area where the non-compliance				
				while continuing dredging.					
	-								
	All Tests Conducted With YSI 6600 Background - 100' Up Current, Within 600-Foot of Channel					Turbidity Compliance	DO Compliance		
DR-1									
DR-2	100' Down Curr		OR	OR, WA					
DR-3	300' Radially fro		WA	Not Required					
DR-4	900' Down Current from point of dredging					WA	Not Required		
	Ti 12 (5 5		\						
Rx	Indicates a Re-	est where (x) is the Re-I	est number for th	nat particular po				

Date: 07/02/2005 John Cannon (COE) present during testing.	Project Name/Location:				Contract Number: W9127N-05-C-0012				
Dredging Load Number DR-1 19.9 19.43:11 7339794.51 938515.42 3.3 DR-2 16.5 19.46:23 7340242.71 938222.75 12.4 TIGAL Stage DR-2R1 17.8 19.46:31 7340246.68 938216.50 12.7 DR-4 Turbidity (NTU) DO (Mg/L) DR-4 Turbidity (NTU) DR-3 DR-2R1 Turbidity (NTU) DO (Mg/L) DR-3 DR-2R1 Turbidity (NTU) DR-3 DR-4R1 Turbidity (NTU) DO (Mg/L) DR-3 DR-2R1 Turbidity (NTU) DR-3 DR-4R1 Turbidity (NTU) DR-3R1 DR-4R1 Turbidity (NTU) DR-3 DR-4R1 Turbidity (NTU) DR-3R1 DR-4R1 Turbidity (NTU) DR-4R1 Turbi									
DR-1						, , ,			
DR-2	Dredging		Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)	
Tidal Stage Flood DR-4	Load Number	DR-1	19.9	19:43:11	7339794.51	938515.42	3.3		
DR-4	Load 435		16.5	19:46:23	7340242.71	938222.75	12.4		
Dredge State: Overflow through skimmers only DR-3 18.3 20:10:00 7337656.70 939317.50 12.1 DR-3R1 18.5 20:10:04 7337656.45 939311.43 9.5 DR-3R1 18.5 20:10:04 7337656.45 939311.43 9.5 DR-3R1 18.5 20:10:04 7337656.45 939311.43 9.5 DR-3R1 DR	Tidal Stage	DR-2R1	17.8	19:46:31	7340246.68	938216.50	12.7		
DR-3	Flood	DR-4	7.0	20:06:49	7338965.30	938489.57	9.7	9.2	
Skimmers only Weather: Clear Wind: 10-15 kts Seas: 2-3' Disposal location Columbia River DWS Remarks: Action Taken: DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. Dredge moved away from area where the non-compliance occurred No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 DR-3 DR-4 DR-3 DR-3 DR-4 DR-3 DR-3 DR-3 DR-4 DR-3 DR-4 DR-3 DR-4 DR-3 DR-4 DR-6 DR-1 DR-1 DR-1 DR-1 DR-2 DR-1 DR-2 DR-1 DR-2 DR-3 DR-3 DR-4 DR-3 DR-4 DR-3 DR-4 DR-4 DR-4 DR-4 DR-6 DR-1 DR-1 DR-1 DR-1 DR-2 DR-1 DR-1 DR-2 DR-1 DR-2 DR-1 DR-2 DR-1 DR-2 DR-1 DR-3 DR-3 DR-3 DR-4 DR-3 DR-4 DR-4 DR-4 DR-4 DR-4 DR-4 DR-4 DR-6 DR-6 DR-7 DR-7 DR-7 DR-7 DR-7 DR-7 DR-7 DR-7	Dredge State:	DR-4R1	10.5	20:06:56	7338986.13	938482.61	7.1	8.8	
Weather: Clear Wind: 10-15 kts Seas: 2'-3' Disposal location Columbia River DWS Remarks: Action Taken: DR-2, DR-3 and DR-4 out of compliance. Re-test DR-2R1, DR-3R1and DR-4R1 was taken. DR-3 out of compliance. Dredge moved away from area where the non-compliance occurred No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 300' Radially from point of dredge (Port or Starboard) DR-4 DR-3 900' Down Current from point of dredging WA Not Required	Overflow through	DR-3	18.3	20:10:00	7337656.70	939317.50	12.1		
Clear Wind: 10-15 kts Seas: 2'-3' Disposal location Columbia River DWS Remarks: DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. Dredge moved away from area where the non-compliance occurred while continuing dredging. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 300' Radially from point of dredge (Port or Starboard) DR-4 900' Down Current from point of dredging WA Not Required	skimmers only	DR-3R1	18.5	20:10:04	7337656.45	939311.43	9.5		
Wind: 10-15 kts Seas: 2'-3' Disposal location Columbia River DWS Remarks: DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. Dredge moved away from area where the non-compliance occurred No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 DR-3 DR-3 DR-4 DR-3 DR-3 DR-4 DR-3 DR-4 DR-3 DR-4 DR-4 DR-4 DR-4 DR-6 DR-7 DR-7 DR-7 DR-7 DR-7 DR-7 DR-7 DR-7	Weather:								
10-15 kts Seas: 2'-3' Disposal location Columbia River DWS Remarks: DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 DR-3 DR-1 DR-2 DR-3 DR-3 DR-3 DR-3 DR-3 DR-3 DR-3 DR-3	Clear								
Seas: 2'-3' Disposal location Columbia River DWS Remarks: DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. Dredge moved away from area where the non-compliance occurred No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 DR-3 DR-3 DR-3 DR-3 DR-3 DR-4 DR-3 DR-4 DR-4 DR-4 DR-4 DR-4 DR-4 DR-6 DR-6 DR-7 DR-7 DR-7 DR-7 DR-7 DR-7 DR-7 DR-7	Wind:								
Disposal location Columbia River DWS Remarks: DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 DR-3 DR-3 DR-3 DR-3 DR-4 DR-3 DR-4 DR-4 DR-4 DR-4 DR-4 DR-4 DR-4 DR-6 DR-7 DR	10-15 kts								
Disposal location Columbia River DWS Remarks: DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 300' Radially from point of dredging (Port or Starboard) DR-4 DR-4 DR-4 DR-4 DR-6 DR-7 DR-7									
Remarks: DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. DR-3 out of compliance. No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 300' Radially from point of dredging Action Taken: Re-test DR-2R1, DR-3R1and DR-4R1 was taken. Dredge moved away from area where the non-compliance occurred while continuing dredging. Turbidity Compliance DO Compliance DO Compliance DR OR, WA Not Required DR-4 900' Down Current from point of dredging WA Not Required									
Remarks: DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. Dredge moved away from area where the non-compliance occurred No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key All Tests Conducted With YSI 6600 DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current DR-3 300' Radially from point of dredge (Port or Starboard) DR-4 900' Down Current from point of dredging Re-test DR-2R1, DR-3R1and DR-4R1 was taken. Dredge moved away from area where the non-compliance occurred while continuing dredging. Turbidity Compliance DO Compliance DO Compliance DO Compliance DR OR, WA Not Required Not Required									
DR-2, DR-3 and DR-4 out of compliance. DR-3 out of compliance. DR-3 out of compliance. No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 DR-3 300' Radially from point of dredging (Port or Starboard) DR-4 Port of Compliance occurred While continuing dredging. Turbidity was taken. Dredge moved away from area where the non-compliance occurred while continuing dredging. Turbidity Compliance DO Compliance DO Compliance DR OR, WA Not Required Not Required Not Required	Columbia River DWS								
DR-3 out of compliance. No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key All Tests Conducted With YSI 6600 DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current DR-3 300' Radially from point of dredge (Port or Starboard) DR-4 900' Down Current from point of dredging Dredge moved away from area where the non-compliance occurred while continuing dredging. Turbidity Compliance DO Compliance DO Compliance OR OR, WA Not Required Not Required Not Required									
No plumes were visible. Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key All Tests Conducted With YSI 6600 Turbidity Compliance DO Compliance DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current DR-3 300' Radially from point of dredge (Port or Starboard) DR-4 900' Down Current from point of dredging WA Not Required Not Required	*				<u> </u>				
Turbidity was delayed between DR-2 and DR-4 due to ship traffic. Sample Point Key All Tests Conducted With YSI 6600 Turbidity Compliance DO Compliance DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current DR-3 300' Radially from point of dredge (Port or Starboard) DR-4 900' Down Current from point of dredging WA Not Required	DR-3 out of compliance.				Dredge moved away f	from area where the	non-compliance occ	curred	
due to ship traffic.Sample Point KeyAll Tests Conducted With YSI 6600Turbidity ComplianceDO ComplianceDR-1Background - 100' Up Current, Within 600-Foot of ChannelOROR, WADR-2100' Down CurrentOROR, WADR-3300' Radially from point of dredge (Port or Starboard)WANot RequiredDR-4900' Down Current from point of dredgingWANot Required	No plumes were visible.				while continuing dredging.				
Sample Point KeyAll Tests Conducted With YSI 6600Turbidity ComplianceDO ComplianceDR-1Background - 100' Up Current, Within 600-Foot of ChannelOROR, WADR-2100' Down CurrentOROR, WADR-3300' Radially from point of dredge (Port or Starboard)WANot RequiredDR-4900' Down Current from point of dredgingWANot Required	Turbidity was delayed between DR-2 and DR-4								
DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current OR OR, WA DR-3 300' Radially from point of dredge (Port or Starboard) DR-4 900' Down Current from point of dredging WA Not Required Not Required	due to ship traffic.								
DR-2 100' Down Current DR-3 300' Radially from point of dredge (Port or Starboard) DR-4 900' Down Current from point of dredging OR OR, WA Not Required WA Not Required		Sample Point Key All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance	
DR-3 300' Radially from point of dredge (Port or Starboard) DR-4 900' Down Current from point of dredging WA Not Required Not Required	DR-1								
DR-4 900' Down Current from point of dredging WA Not Required								·	
Py Indicator a Po Tost whore (v) is the Po Tost number for that particular point	DR-4	900' Down Current from point of dredging					WA	Not Required	
Py Indicator a Po Tost where (v) is the Po Tost number for that particular point									
TX Indicates a Re-Test where (x) is the Re-Test humber for that particular point	Rx Indicates a Re-Test where (x) is the Re-Test number for that particular point								